

In re Application of:

O. ZIMRON et al.

Serial No.: 09/908,802

Group Art Unit: 2832

Filed: July 12, 2001

Examiner: J. Waks

For: **METHOD OF AND APPARATUS FOR PRODUCING POWER FROM A  
HEAT SOURCE**

**~~ATTACHMENT B~~ - CLEAN COPY OF CLAIM AMENDMENTS**

Please cancel claims 3 and 7 without prejudice or disclaimer to the subject matter therein.

Please amend claims 1, 2, 4, 5, 6 and 8 as follows:

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1. (Amended) A method for producing power from a heat source comprising the steps of:

a) heating a synthetic, alkylated aromatic heat transfer fluid with heat from said heat source and producing a vaporized synthetic, alkylated aromatic heat transfer fluid in an intermediate fluid heater/vaporizer;

b) vaporizing an organic liquid working fluid with heat from the vaporized synthetic, alkylated aromatic heat transfer fluid in an organic fluid vaporizer to form a vaporized organic working fluid and a synthetic, alkylated aromatic heat transfer fluid condensate;

c) expanding said vaporized organic working fluid in an organic vapor turbine for generating power and producing an expanded vaporized organic working fluid;

d) condensing said expanded organic vaporized working

fluid to produce an organic fluid condensate; and

e) supplying the organic fluid condensate to the organic fluid vaporizer.

~~A~~  
B1  
(cont)  
2. (Amended) A method according to claim 1 wherein prior to supplying said vaporized synthetic, alkylated aromatic heat transfer fluid to said organic fluid vaporizer said vaporized synthetic, alkylated aromatic heat transfer fluid is expanded in an intermediate fluid vapor turbine and power is produced.

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4. (Amended) A method according to claim 1 wherein said synthetic, alkylated aromatic heat transfer fluid condensate is supplied to said synthetic, alkylated aromatic heat transfer fluid heater/vaporizer.

~~A2~~  
B2  
5. (Amended) Apparatus for producing power from a heat source comprising:

a) a synthetic, alkylated aromatic heat transfer fluid heater/vaporizer that heats and vaporizes the synthetic, alkylated aromatic heat transfer fluid with heat from said heat source and produces a vaporized synthetic, alkylated aromatic heat transfer fluid;

b) an organic fluid vaporizer that vaporizes an organic liquid working fluid with heat from the vaporized synthetic, alkylated aromatic heat transfer fluid to form a vaporized organic working fluid and a synthetic, alkylated aromatic heat transfer fluid condensate;

c) an organic vapor turbine that expands said vaporized

organic working fluid and generates power and produces expanded vaporized organic working fluid;

A2  
d) an organic fluid condenser that condenses said expanded organic vaporized working fluid to produce an organic working fluid condensate so that the organic working fluid condensate is supplied to the organic working fluid vaporizer.

B2,  
cont  
6. (Amended) Apparatus according to claim 5 including an intermediate fluid vapor turbine that expands said vaporized synthetic, alkylated aromatic heat transfer fluid prior to supplying it to said organic fluid vaporizer such that said intermediate fluid vapor turbine produces power.

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A3  
B3  
8. (Amended) Apparatus according to claim 5 including a pump for supplying said synthetic, alkylated aromatic heat transfer fluid condensate to said intermediate fluid heater/vaporizer.

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